

BIODIVERSITY-RELATED EDUCATION PROGRAMS AND RESOURCES

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Agency	Program	Description	Grades	Training/ Support	Sample Activities/Lessons
Canadian Environmental Literacy Project	CELP http://www.celp.ca/	Teaching modules related to environmental education including presentations, discussions material, and experiential exercises.	High schools, college, universities	Downloadable material	Biodiversity and Its Conservation; Black Bear Spring Hunt; Bird Communities and Forestry Practices: A Comparison of Wildfire and Clear-cutting in Boreal Ontario; Urban Plant Diversity Activity
Canadian Forestry Association	CFA Teaching Kit http://www.canadianforestry.com/kits/	Eight volumes of teaching kits include lesson plans, practical information on forest issues, and examples of relevant recovery, conservation and stewardship programs. The lessons incorporate interactive, hands-on activities that reflect learning outcomes and expectations in curriculum guidelines.	4-12	Teaching kits are downloadable Available in French	<u>Volume 3</u> (biodiv.) <u>Grades 4 to 6</u> It's What's Inside That Counts; What our Elders Say <u>Volume 4</u> <u>Grades 4 and 7</u> Diseases, Pests and Fires, Oh My! <u>Volume 6</u> <u>Grades 4 to 8</u> Changes & Choices <u>Volume 7</u> <u>Grades K-4</u> Boreal Footprints <u>Volume 8</u> <u>Grades 3 to 6</u> Interdependent Me

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Canadian Parks and Wilderness Society (CPAWS)	CPAWS Resources for Educators http://www.cpawscalgary.org/education/resources_educators.php	Grade-specific, downloadable activities linked to grade and subject – science, social studies and language arts.	3-12	Downloadable lessons, activities, and resources	<u>Grade 3 to 8; HS</u> How We're Connected; What About Shady Acres?; How Do Species Become Extinct?
Canadian Wildlife Federation	Project Wild http://www.projectwild.org	Activity guides focus on wildlife and habitat. They are organized by topic units and are designed for integration into existing courses of study.	K-12	Curriculum and activity guides are distributed to participants of Project Wild workshops. Available in French	
Canadian Wildlife Federation Canadian Wildlife Service	Hinterland Who's Who http://www.ffdp.ca/hww.asp?id=5&pid=0	Lesson plans about conservation concepts such as biodiversity, sustainability, ecosystem conservation, and endangered species recovery. Students will develop an understanding of the impact humans have on our environment, and discover ways to preserve Canadian wildlife.	4-12	The lesson plans are downloadable	<u>Grade 4 to 12</u> Improving Wildlife Habitat in the Community; Strangers in Their Own Land; Watch Over Wild Wanders
Comité de valorisation de la Rivière Beauport (CVRB), Biosphère (Environment Canada)	Adopt-A-River http://biosphere.ec.gc.ca/default.asp?lang=En&n=4068C51B-1	Observation and assessment of a river's natural environment; data shared on network.	5-9	Training (Eastern Ontario) and scientific support offered	Evaluate and report on the health of a local river's aquatic ecosystem.
Convention on Biological Diversity	Biodiversity and Agriculture	An educational module on biodiversity and agriculture.	4-6	Teachers guide, student	<u>Grades 4 to 6</u> What is biological

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	https://www.cbd.int/ibd/2008/resources/teaching/	Comprises of an online educational web portal for primary school students and five accompanying lesson plans for educators. Educators can also download the children's web portal in a booklet format.		booklet and lessons plans downloadable Available in French	diversity? What does biodiversity have to do with the food we eat? Can food affect biodiversity?
Convention on Biological Diversity	Biological Diversity for Kids http://kids.cbd.int/	Multimedia games and activities based upon ecological adaptation and extinction.	3-6	Downloadable educators' package with linked activities	<u>Games</u> Make Me a Home; Super Animal Creator; Mission: Cat Rescue
David Suzuki Foundation	The Nature Challenge Teacher's Guide http://www.davidsuzuki.org/NatureChallenge/at_School/background.asp	Twenty lessons that use discovery-based learning to explore how everything is connected to nature. Core lessons explore how choices about our homes, food, and transportation affect the environment.	4-7	Teacher's guide is downloadable	<u>Grade 4 to 7</u> A Piece of the Puzzle; Berry on the Run; Needs and Wants; Picture Perfect; Bringing it Together
Ducks Unlimited	Habitats, Communities and the Diversity of Life – Project Webfoot, Wetland and Environmental Education http://www.ducks.ca/resource/teachers/lesson_plans/element.html	Literacy unit plans with hands-on activities and interactive lessons related to environmental, technological and social aspects of science.	4-12	The units consist of downloadable educator's guides, lesson plans and student journals Available in French	Wetland Ecosystems 7/8: The Human Equation; Wetland Ecosystems 9/12: Wetlands and Environmental Quality
Earth Day Canada	EcoKids http://www.ecokids.ca/pub	Curriculum related activities and lessons. Some materials geared towards English as a	K-8	Lesson plans and activities can be	Frog Monitoring; Build a Toad Home; Migration Frustration;

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	/teachers/resources/index.cfm (Click "Printables")	Second Language students.		downloaded	Eye Spy
Evergreen	School Ground Greening http://www.evergreen.ca/en/lq/plans_listing.html	Lesson plans have been submitted by teachers who are interested in sharing their wisdom on teaching in green school grounds.	K-12	Lesson plans can be downloaded Available in French	<u>Grade 1</u> Natural Figures <u>Grade 2</u> The Night Tree <u>Grade 4</u> Is this Habitat for Me?; Postcards from ... <u>Grade 10</u> Nice Nichel!; Rotting Log
GLOBIO	Glossopedia http://www.globio.org/info/educators/lag.htm	Ten learning activity guides (LAGs) focus upon environmental issues, including wetlands and conservation.	4-8	The LAG's are downloadable	<u>Conservation LAG</u> I Want to Be a Conservationist!; Protection Experts <u>Environments LAG</u> Environments are Everywhere; Precycling Pros
Kids Can Press	Tree of Life- The Incredible Biodiversity of Life on Earth http://www.kidscanpress.com/Canada/Tree-of-Life-P5661.aspx (Click "Learning Materials")	Eight educational activities associated with the book "Tree of Life" that focuses on the diverse characteristics of habitats and species.	3-7	The educational activities are contained in a downloadable document	<u>Grades 4 to 6</u> Kingdoms of Life; <u>Grades 3 to 7</u> Your Environment; What If...
Learning for a Sustainable Future	Resources for Rethinking http://www.r4r.ca/en	Large, searchable database provides access to materials that integrate ecological, social	K-12	Lessons plans and activities can	<u>Grade K to 12</u> Five Minute Fieldtrips

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		and economic spheres.		<p>be down-loaded or ordered through the mail</p> <p>Available in French</p>	<p><u>Grade 2</u> How the Bat Came to Be; Moth, the Fire Dancer; Survival</p> <p><u>Grade 4-7</u> The Nature Challenge/Lesson C</p> <p><u>Grade 4-12</u> Bearly Any Ice (HS)</p> <p><u>Grade 7</u> Beaver, Moose, and Freshwater Turtle: The Dependence of Canada's Iconic Species on Freshwater Habitats</p> <p><u>Secondary</u> Lessons for Hope</p>
New Brunswick Federation of Naturalists	Nature New Brunswick http://www.naturenb.ca/English/natureeducationmaterials.htm	Educational kits offer hands-on, classroom-ready activities and lesson plans related to species at risk and coastal zones.	4-7	Requests for kits can be found on website and mailed to organization. Available in French	
National Geographic	Wild World Eco-Atlas http://www.nationalgeographic.com/wildworld/educators.html	Designed to help bring the wonders of biodiversity and the urgency of conserving it in the classroom. Maps are accompanied by the educator's guide, offering lesson plans and activities on map fundamentals,	2-12	Resources are downloadable	<p><u>Grades 2-6</u> Build an Ecoregion</p> <p><u>Grades 5-12</u> Biodiversity: The Spice of Life</p>

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Ontario Federation of Anglers and Hunters	Making Waves! Protecting Ontario's Aquatic Habitat http://www.invadingspecies.com/	A lesson package that revolves around the curriculum's <i>Science and Technology</i> – <i>Life Systems</i> strand with integrated lessons and warm-up/wrap-up activities that reach across many other subject/strand areas. It familiarizes students with the concept of healthy habitats and communities, and demonstrates how our actions, can have a meaningful influence on maintaining the balance within them.	4	Materials (CD) can be ordered through the mail Available in French	<u>Warm Up/ Wrap Up Activities</u> The Preventable Problem, Songs for an Ecosystem <u>Lesson Plans</u> Sun Block, Changing Chains
Ontario Ministry of Natural Resources	Bear Wise- Black Bear Ecology http://www.mnr.gov.on.ca/en/Business/Bearwise/index.html	Activity books and teaching kits include background readings, unit plan, lesson plans and suggested activities and information sheets about black bears. Generates awareness about black bears - their biological needs; their behaviour and how human action influences bears.	2,4,7	Activity books and teaching kits are downloadable Available in French	<u>Grade 2</u> Motherly Love <u>Grade 4</u> Lesson 2: Habitats; Lesson 3: Food Chains and Food Webs <u>Grade 7</u> Lesson 1: Abiotic versus Biotic and Ecosystem Function; Lesson 2: Food Chains and Food Webs: Transfer of energy through an ecosystem
Pembina Foundation	Green Learning http://www.greenlearning.ca/	Curriculum-aligned lessons and activities.	K-12	Downloadable teacher and student booklets.	Walk a Mile in My Shoes; The Home of the Future

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				Requires registration.	
SEEDS Foundation	School Challenges and Green Schools http://www.seedsfoundation.ca/challenges.html	Encourages students to take environmental action through school challenges and details school programs to become a recognized green school.	1-8	Green School Kit can be ordered. It includes a trophy, banner, log books, progress charts, environmental certificates, doortags, an idea book, and an inflatable earth ball.	<u>Class/ School Challenges</u> Cloud Watch; Bird Watch; Take the Plunge; Canadian Literacy Challenge; One Tonne Challenge
Trout Unlimited Canada	Yellow Fish Road http://www.yellowfishroad.org/	Elementary resources focusing on freshwater conservation and yellow fish road program awareness and action.	2-4; secondary	Downloadable student activity booklets and instructor guides Available in French	<u>Grades 2 to 4</u> "I Like It Like That" Healthy and Unhealthy Freshwater; How a River becomes Polluted
UNESCO	Teaching and Learning for a Sustainable Future http://www.unesco.org/education/tlsf/	Multimedia teacher education programme, containing 100 hours (divided into 25 modules) of professional development.	K-12	Online training and workshops available Looking for French Translation	Reorienting Education for a Sustainable Future; Sustainable Futures Across the Curriculum
Wildscreen	ARKive Education http://www.arkiveeducation.org/resources.html	Multi-media educational resources each with a scientific focus.	1-12	The educational activities are downloadable	<u>Grades 1 and 2</u> Variation for Young Children

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					<u>Grades 2 -12</u> Ecosystems; Habitats and Humans <u>Grades 1-12</u> Urban Habitat Activities
World Wildlife Fund Canada	Schools for a Living Planet http://wwf.ca/schools/	An educational program with access to over 30 curriculum-linked, printable in-class activities. Each grade's unit has a unique environmental theme.	3-8	Downloadable student workbooks and some teacher guidebooks	<u>Grade 3</u> Forests Alive Unit <u>Grade 4 (best)</u> Exploring Habitats: The Karner Blue Butterfly Unit <u>Grade 6</u> Diversity of Life Unit
York Environmental Education Consortium	Ontario Ecoschools Getting Started http://www.yorku.ca/ecosc/hl/gettingstarted.asp	Guidelines on how to integrate ecoschool initiatives into a school, including school ground greening, energy conservation and waste minimization.	1-8	Downloadable guidebooks Available in French	Energy Conservation Guidelines Poster; Waste Minimization Guidelines Poster; A Waste-Free Lunch Event
York Environmental Education Consortium	Ontario Ecoschools Elementary Resources http://www.yorku.ca/ecosc/hl/elementary.asp	Teaching guides on environmental literacy related to Earth Week celebrations, energy conservation and waste minimization. Each activity is directly connected to the science and technology, geography or social studies curriculum.	1-8	Downloadable teacher guidebooks and some student workbooks Available in French	<u>Grade 3</u> Waste from a community affects that community's natural environment; Sense of Place (Sask. link) <u>Grade 4</u> The high consumption of energy in North

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					<p>America has an effect on plant and animal habitats and communities</p> <p><u>Grade 7</u> Sustainability means living our lives within the tolerances of the Earth's ecosystems</p>